

GAS FREE ENGINEERING PROGRAM CHECKLIST

Indicate by an X, the answer to each of the questions below. If a question is not applicable to the command, indicate by NA in the YES block. Explain or describe the condition warranting any NO answer on the space provided at the end of the checklist or on additional sheets, if necessary.

The location of the NSTM 074 V3R4 reference for any question is provided at the end of the question.

	YES	NO
<u>PROGRAM RESPONSIBILITIES</u>		
1. Is there at least one trained, qualified, and certified gas free engineer aboard? (074-18.6)		
2. Do ship's directives exist which establish gas free Engineering practices? (074-18.5)		
3. Are sufficient petty officers, E-4 and above, trained, qualified and certified as gas free engineering petty officers available to meet the requirements of the command? (074-18.8)		
4. Is at least one certified GFE petty officer available in each inport duty section? (074-18.6)		
5. Is all equipment required by Naval Ships Technical Manual Chapter 074, Volume 3 Rev 4, "Gas Free Engineering" aboard? (074-27.1)		
6. Is gas free engineering equipment properly maintained? (074-27.3)		
7. Is gas free engineering equipment inventoried annually? (074-18.10)		
8. Are gas free certificates posted in necessary areas? (074-20.8)		
9. Does GFE provide personnel and training aids to divisions for gas free engineering training upon request? (074-18.9)		
10. Are records kept of space gas free testing and are these records audited annually? (074-18.16)		

	YES	NO
11. Is the GFE notified before an unventilated, unoccupied space that has been designated to store hazardous or toxic materials or any sealed space is entered? (074-19.4)		
12. Is the GFE notified before hot work is conducted on a bulkhead, deck or overhead adjacent to a space containing flammable or potentially explosive atmosphere (such as a fuel oil or CHT tank)? (074-22.6)		
13. Is the GFE notified of the stowage in a new location or spill of any hazardous or toxic material? (074-18.7)		
14. Are gas free engineering certificates posted on spaces complied with at all times? (074-20.8)		
15. Is gas free engineering conducted whenever a change is made to a space under a gas free engineering certificate prior to additional work occurring in the space? (074-20.9)		
<u>IDENTIFICATION OF CONFINED/ENCLOSED SPACES</u>		
16. Are periods for which gas free certificates are valid posted on each certificate? (074-20.5)		
17. Are spaces retested prior to the end of the period for which a gas free certificate is valid? (074-20.5)		
<u>AIR SAMPLING AND ANALYSIS</u>		
18. Does the gas free engineering test log document all gas free engineering tests and contain the following data: (074-20.6)		
a. Date and time of inspection/tests?		
b. Location of space?		
c. Tests conducted and results?		
d. Prescribed actions/instructions?		
e. Type of entry or work to be performed?		

	YES	NO
f. Name of person conducting test/inspection?		
19. Are gas free engineering tests conducted in the order of oxygen, combustible gases, toxic gases? (074-19.11)		
20. Does the person conducting the gas free engineering tests perform them in accordance with NSTM 074V3R4? (074-19.11)		
21. If gas free engineering tests indicated a presence of a flammable vapor, was the space ventilated until vapor was no longer detectable? (074-19.11)		
<u>TRAINING</u>		
22. Are all hands trained on the gas free engineering program upon reporting aboard and prior to availabilities? (074-18.9)		
23. Does training cover the following? (074-18.9)		
a. How to identify confined/enclosed spaces?		
b. Hazards encountered when entering confined/enclosed spaces?		
c. Procedures for requesting gas free testing?		
d. Procedures for helping shipmates in an emergency?		
24. Are GFE personnel valid in CPR and trained in emergency and rescue procedures annually? (074-18.10)		
<u>GAS FREE ENGINEERING IN SHIPYARDS</u>		
25. If in a shipyard or where contractor gas free engineering practices are in effect aboard ship, are ship's force personnel briefed on the different gas free certificates they may encounter and their responsibilities? (074 Appendix C-22)		

